

Activities At EPA's Region 8 Office in Denver and its Laboratory in Golden which have Significant Impacts on the Environment rev3 16Mar05		
Activities	Aspects/Impacts	Efforts Underway to Reduce Impacts
<p>Employee Business Travel and Employees Commuting to Work</p> <p>Details:</p> <ul style="list-style-type: none"> <li>Miles driven in GOV vehicles in FY04: 356K up from est 334K in FY02</li> <li>Airplane flights: est 3,400 in FY02</li> <li>Est. miles driven by privately owned vehicles to airport in FY02: 93,000</li> </ul>	<p>Energy consumption and air emissions resulting in degraded air quality and increased atmospheric concentration of greenhouse gasses.</p>	-Addition hybrid vehicles to fleet (two hybrid Civics in 2004)
		-Increasing use of -- videoconferencing
		-Riding mass transit
		-Recruitment of new bicycle commuters
		-Filling alternative fuel vehicles with alternative fuel.

Activities	Aspects/Impacts	Efforts Underway to Reduce Impacts
Heating, Cooling, Lighting and Operating Equipment in an Office Building and a Laboratory. <ul style="list-style-type: none"> <li>The Regional Office and Lab Use and Estimated 6.8 Gigawatt hrs of Electricity each Year.</li> </ul>	Energy consumption and air emissions resulting in degraded air quality and increased atmospheric concentration of greenhouse gasses.	**Designing new Region 8 office building to meet Energy Star target.
		**Using green energy to meet the electricity needs of the regional office and Golden Lab.
		**Employing energy management software so computers fall asleep when not in use.
		**Evaluating the expansion of the passive solar energy system at the Golden Lab.

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<p>Water Use and Storm Water Management at the Regional Office and Golden Lab</p> <ul style="list-style-type: none"> <li>• Lab uses an average of 5.6 million gallons of water/yr</li> </ul>	<p>Use of water for lab operations, in washrooms and for irrigation consumes an already limited resource in an arid region.</p> <p>Construction of new regional office creates impervious surfaces that potentially increase amounts of storm water runoff and adversely affect water quality.</p>	**Design of new regional office includes water-saving features such as dual flush toilets and waterless urinals.
		**Design of new office includes a green roof that will slow the runoff of stormwater and improve quality.
		**Lab is developing plan to replace bluegrass landscaping with xeriscape.

<p>Use of Hazardous Materials and Generation of Hazardous Waste</p> <ul style="list-style-type: none"><li>• Lab Generates approx. 1,500 lbs of haz waste per year</li><li>• Office and Lab generate between 200 and 300 obsolete computers every year.</li></ul>	<p>The Lab uses hazardous materials and generates hazardous waste. The office and the lab generate obsolete electronics that contain hazardous waste. The mismanagement of hazardous material can be a safety issue and lead to increased volumes of hazardous waste. Improper management of hazardous waste can result in environmental degradation</p>	<p>**The Lab uses a hazardous waste tracking system to assign barcodes to containers as they are delivered. New materials cannot be ordered until existing supplies are depleted.</p> <p>**The Region has a policy for purchasing new electronics to assure that environmental attributes will be considered prior to purchase.</p> <p>**Region is developing a procedure for end-of-life management of electronics to keep obsolete electronics out of landfills and away from sham recyclers.</p>

Activities	Aspects/Impacts	Efforts Underway to Reduce Impacts
<p>Using Paper and Other Office Products While Writing, Copying, Printing, Faxing and Archiving.</p> <ul style="list-style-type: none"> <li>• Region has used an average of 7.6 million sheets of paper/yr over the last three years at a cost of \$44,500/yr.</li> <li>•</li> </ul>	<p>Consumption of paper and other office supplies and generation of solid waste resulting in depletion of natural resources and landfill space.</p>	<p>**Setting computers to double-side print jobs by default.</p> <p>**Tracking and Reporting paper use on per capita basis</p> <p>**Recycle</p> <ul style="list-style-type: none"> <li>• Mixed paper</li> <li>• Aluminum drink cans</li> <li>• Bound publications</li> <li>• Glass and plastic drink containers</li> <li>• Inkjet Cartridges</li> <li>• Batteries, videotapes, CDs, cellphones, phone books,</li> <li>• Reuse various office supplies</li> </ul> <p>**Buy environmentally office supplies using EPA's national purchase agreement.</p>